



## **Children's Village International Center Water Sampling Lead Analysis Report**

### **1. INTRODUCTION**

#### **1.1. GENERAL**

This report presents the results of our water sampling performed at the site of Children's Village International Center, 14901 Meyers, Detroit, MI., on September 14th, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

#### **1.2. OBJECTIVES AND SCOPE**

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

#### **1.3. AUTHORIZATION**

Authorization was provided by phone for our Professional Services by Arkisha Milton on September 8<sup>th</sup>, 2016.

### **2. SITE INVESTIGATIONS**

#### **2.1. FIELD PROGRAM**

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

#### **2.2 LABORATORY TESTING**

##### **2.2.1. General**

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.



**GS GROUP LLC**

Green S.P.A.C.E.S Protect Our Earth

Results of the tests indicate that the water is below the threshold for lead contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

### **3. DISCUSSIONS AND RECOMMENDATIONS**

#### **3.1. DISCUSSIONS OF FINDINGS**

The water results are below the threshold for lead contamination.

We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

Michael Etters  
Field Scientist

Monica Starks, CIEC  
Principal

Council-certified Indoor Environmental  
Consultant Board-awarded by the  
American Council for Accredited  
Certification



Appendix 1, Lab Results, Chain of Custody



**GS GROUP LLC**  
Green S.P.A.C.E.S Protect Our Earth

**APPENDIX 1**  
**Laboratory Results and Chain of Custody**

**17800 Woodward Ave Suite 200**  
**Detroit, MI 48203**

**ANALYTICAL REPORTS****SAMPLE CODE: 360369****9/22/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203

**Source:** Childrens Village, DC-01-KC-01-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 9/14/2016 13:45**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

| Fed Id #                           | Contaminant | Method | Standard | Units | LRL   | Level Detected | DF | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|------------------------------------|-------------|--------|----------|-------|-------|----------------|----|-------------------|--------------|--------------------|
| <b>Inorganic Analytes - Metals</b> |             |        |          |       |       |                |    |                   |              |                    |
| 1030                               | Lead        | 200.8  | 0.015    | mg/L  | 0.001 | 0.001          | 1  | 9/14/2016 06:20   |              | 9/16/2016          |

These test results may be used for compliance purpose as required.

| Analyst | Tests |
|---------|-------|
| JP      | 200.8 |



James Abston, Operations Manager

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Laboratory ID: 0055

**National Testing Laboratories, Ltd**  
556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585

**ANALYTICAL REPORTS**

**SAMPLE CODE: 360370**

**9/22/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203

**Source:** Childrens Village, DC-01-KC-01-F  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 9/14/2016 13:45

**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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**Report Notes:**

| Fed Id #                           | Contaminant | Method | Standard | Units | LRL   | Level Detected | DF | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|------------------------------------|-------------|--------|----------|-------|-------|----------------|----|-------------------|--------------|--------------------|
| <b>Inorganic Analytes - Metals</b> |             |        |          |       |       |                |    |                   |              |                    |
| 1030                               | Lead        | 200.8  | 0.015    | mg/L  | 0.001 | ND             | 1  | 9/14/2016 06:20   |              | 9/16/2016          |

These test results may be used for compliance purpose as required.

| Analyst | Tests |
|---------|-------|
| JP      | 200.8 |



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**ANALYTICAL REPORTS**

**SAMPLE CODE: 360371**

**9/22/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203

**Source:** Childrens Village, DC-01-WF-02-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 9/14/2016 13:45  
**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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"ND" This contaminant was not detected at or above our lower reporting limit (LRL)  
"NA" Not Analyzed  
"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.  
"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.  
"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

| Fed Id #                           | Contaminant | Method | Standard | Units | LRL   | Level Detected | DF | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|------------------------------------|-------------|--------|----------|-------|-------|----------------|----|-------------------|--------------|--------------------|
| <b>Inorganic Analytes - Metals</b> |             |        |          |       |       |                |    |                   |              |                    |
| 1030                               | Lead        | 200.8  | 0.015    | mg/L  | 0.001 | 0.002          | 1  | 9/14/2016 06:20   |              | 9/16/2016          |

These test results may be used for compliance purpose as required.

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|---------|-------|
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**ANALYTICAL REPORTS**

**SAMPLE CODE: 360372**

**9/22/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203

**Source:** Childrens Village, DC-01-WF-02-F  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 9/14/2016 13:45

**Collected by:** M. Etters

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"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

| Fed Id #                           | Contaminant | Method | Standard | Units | LRL   | Level Detected | DF | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|------------------------------------|-------------|--------|----------|-------|-------|----------------|----|-------------------|--------------|--------------------|
| <b>Inorganic Analytes - Metals</b> |             |        |          |       |       |                |    |                   |              |                    |
| 1030                               | Lead        | 200.8  | 0.015    | mg/L  | 0.001 | ND             | 1  | 9/14/2016 05:20   |              | 9/16/2016          |

These test results may be used for compliance purpose as required.

| Analyst | Tests |
|---------|-------|
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**ANALYTICAL REPORTS**

**SAMPLE CODE: 360373**

**9/22/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203

**Source:** Childrens Village, DC-01-BBF-03-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 9/14/2016 13:45

**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

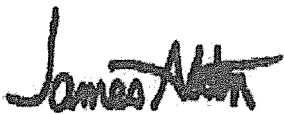
"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

| Fed Id #                           | Contaminant | Method | Standard | Units | LRL   | Level Detected | DF | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|------------------------------------|-------------|--------|----------|-------|-------|----------------|----|-------------------|--------------|--------------------|
| <b>Inorganic Analytes - Metals</b> |             |        |          |       |       |                |    |                   |              |                    |
| 1030                               | Lead        | 200.8  | 0.015    | mg/L  | 0.001 | 0.006          | 1  | 9/14/2016 06:20   |              | 9/16/2016          |

These test results may be used for compliance purpose as required.

| Analyst | Tests |
|---------|-------|
| JP      | 200.8 |



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**ANALYTICAL REPORTS**

**SAMPLE CODE: 360374**

**9/22/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203

**Source:** Childrens Village, DC-01-BBF-03-F  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 9/14/2016 13:45

**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

| Fed Id #                           | Contaminant | Method | Standard | Units | LRL   | Level Detected | DF | Date/Time Sampled | Date Prepped | Date/Time Analyzed |
|------------------------------------|-------------|--------|----------|-------|-------|----------------|----|-------------------|--------------|--------------------|
| <b>Inorganic Analytes - Metals</b> |             |        |          |       |       |                |    |                   |              |                    |
| 1030                               | Lead        | 200.8  | 0.015    | mg/L  | 0.001 | ND             | 1  | 9/14/2016 06:20   |              | 9/16/2016          |

These test results may be used for compliance purpose as required.

| Analyst | Tests |
|---------|-------|
| JP      | 200.8 |



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1-800-458-3330

## General Compliance

Order Number: 2077502

360369

Order Date: 05/16/2016

Sample Number:



Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 9/14/16

Time Sampled: 06:20 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Childrens Village

Address: 14901 Meyers

Phone Number: 313-931-7610

PWS ID# (If applicable):

N/A

Sample ID or Source: DC-01-KC-01-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other:

City & State: Detroit, Mi.  
(If Different than Above)

Sample Collected By:

Michael Barks  
(Signature)

Sample Collected By:

Michael Barks  
(Please Print)

Form Completed By:

Michael Barks

Additional Comments:

The location sampled is a daycare. This is Sample #1, first draw.

### For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 9/14/16

Time Received: 13:45

Received By: DF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



1-800-458-3330

## General Compliance

Order Number: 2077502

360370

Order Date: 05/16/2016

Sample Number:



Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 9/14/16

Time Sampled: 06:20

Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Childrens Village

Address: 14901 Meyer

Phone Number: 313-931-7610

PWS ID# (If applicable):

N/A

Sample ID or Source: DC-01-Ke-01-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State: Detroit, MI

(If Different than Above)

Sample Collected By:

Michael Ethers

(Signature)

Sample Collected By:

Michael Ethers

(Please Print)

Form Completed By:

Michael Ethers

Additional Comments:

The location sampled is a daycare. This is Sample #1, flush sample.

### For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 9/14/16

Time Received: 13:45

Received By: DF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



1-800-458-3330

## General Compliance

Order Number: 2077502

Order Date: 05/16/2016

360371

Sample Number:



Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 9, 14, 16

Time Sampled: 06:20 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Childrens Village

Address: 14901 Mayers

Phone Number: 313-931-7610

PWS ID# (If applicable):

N/A

Sample ID or Source: DC-01-WF-02-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other:

City & State: Detroit, Mi.

(If Different than Above)

Sample Collected By:

[Signature]

(Signature)

Sample Collected By:

Michael Peters

(Please Print)

Form Completed By:

Michael Peters

Additional Comments:

The location sampled is a daycare. This is Sample #2, first draw.

### For Laboratory Use ONLY

Lab Accounting Information:

Payment \$: \_\_\_\_\_

Check #: \_\_\_\_\_

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 9, 14, 16

Time Received: 13:45

Received By: DF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



1-800-458-3330

## General Compliance

Order Number: 2077502 360372

Order Date: 05/16/2016

Sample Number:



Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 9/14/16

Time Sampled: 06:20

Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Childrens Village

Address: 14901 Meyers

Phone Number: 313-931-7610

PWS ID# (if applicable):

N/A

Sample ID or Source: DC-01-02-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State: Detroit, Mi

(If Different than Above)

Sample Collected By:

[Signature]

(Signature)

Sample Collected By:

Michael Ethers

(Please Print)

Form Completed By:

Michael Ethers

Additional Comments:

The location sampled is a daycare. This is Sample #2, flush sample.

### For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 9/14/16

Time Received: 13:45

Received By: [Signature]

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



1-800-458-3330

## General Compliance

Order Number: 2077502

Order Date: 05/16/2016

360373

Sample Number:



Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 9/14/16

Time Sampled: 06:20

Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Childrens Village

Address: 14901 Meyers

Phone Number: 313-931-9610

PWS ID# (If applicable):

N/A

Sample ID or Source: DC-01-BBF-03-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other:

City & State: Detroit, Mi  
(If Different than Above)

Sample Collected By:

Michael Esters  
(Signature)

Sample Collected By:

Michael Esters  
(Please Print)

Form Completed By:

Michael Esters

Additional Comments:

The location sampled is a daycare. This is Sample #3, First draw.

### For Laboratory Use ONLY

Lab Accounting Information:

Payment \$: \_\_\_\_\_

Check #: \_\_\_\_\_

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 9/14/16

Time Received: 13:45

Received By: DF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

**National Testing  
Laboratories, Ltd.**

*Quality Water Analysis*

1-800-458-3330

**General Compliance**

Order Number: 2077502

Order Date: 05/16/2016

360374

Sample Number:



Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 9/14/16

Time Sampled: 06:20 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Childrens Village

Address: 14901 Meyers

Phone Number: 313-931-7610

PWS ID# (if applicable): N/A

Sample ID or Source: DC-01-BBF-03-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other:

City & State: Detroit, Mi.  
(If Different than Above)

Sample Collected By: Michael D. Starks  
(Signature)

Sample Collected By: Michael Starks  
(Please Print)

Form Completed By: Michael Starks

Additional Comments:

The location sampled is a daycare. This is Sample #3,  
Flush Sample.

**For Laboratory Use ONLY**

Lab Accounting Information:

Payment \$: \_\_\_\_\_

Check #: \_\_\_\_\_

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 9/14/16

Time Received: 13:45

Received By: BF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS